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1109

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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/981,803

DATE: 11/02/2001

TIME: 15:18:02

Input Set : A:\es.txt

Output Set: N:\CRF3\11022001\I981803.raw

ENTERED

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3 <110> APPLICANT: Joel CROUZET
4      Daniel SCHERMAN
5      Beatrice CAMERON
6      Pierre WILS
7      Anne-Marie DARQUET
10 <120> TITLE OF INVENTION: DNA MOLECULES, PREPARATION AND USE IN GENE THERAPY
12 <130> FILE REFERENCE: MINICIRCLE
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/981,803
C--> 15 <141> CURRENT FILING DATE: 2001-10-19
17 <160> NUMBER OF SEQ ID NOS: 50
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 37
23 <212> TYPE: DNA
C--> 24 <213> ORGANISM: S,quence artificielle
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of the artificial sequence:
28      oligonucleotide
30 <400> SEQUENCE: 1
31 aattgtgaag cctgcttttt tataactaact tgagcgg          37
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 37
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial sequence
W--> 38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of the artificial sequence:
40      oligonucleotide
42 <400> SEQUENCE: 2
43 aattccgctc aagtttagtat aaaaaagcag gcttcac          37
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 21
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Description of the artificial sequence:
53      oligonucleotide
55 <400> SEQUENCE: 3
56 ctgctttttt atactaactt g          21
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 21
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of the artificial sequence:
66      oligonucleotide
68 <400> SEQUENCE: 4
69 cagctttttt atactaagtt g          21

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72 <210> SEQ ID NO: 5
73 <211> LENGTH: 21
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial sequence
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77 <223> OTHER INFORMATION: Description of the artificial sequence:
78     oligonucleotide
80 <400> SEQUENCE: 5
81 cagcgcatc gtaatgcaa g                                21
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 21
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of the artificial sequence:
91     oligonucleotide
93 <400> SEQUENCE: 6
94 cttataattc gtaatgcaa g                                21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 19
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of the artificial sequence:
104     oligonucleotide
106 <400> SEQUENCE: 7
107 aacactttct taaatgggtt                                19
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 19
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of the artificial sequence:
117     oligonucleotide
119 <400> SEQUENCE: 8
120 aacactttct taaattgtc                                19
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 19
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial sequence
W--> 127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of the artificial sequence:
129     oligonucleotide
131 <400> SEQUENCE: 9
132 aagggtttaa aaatccctc                                19
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 19
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial sequence

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W--> 139 <220> FEATURE:
      140 <223> OTHER INFORMATION: Description of the artificial sequence:
      141     oligonucleotide
      143 <400> SEQUENCE: 10
      144 atggtatttta aaatccctc                                     19
      147 <210> SEQ ID NO: 11
      148 <211> LENGTH: 49
      149 <212> TYPE: DNA
      150 <213> ORGANISM: Artificial sequence

W--> 151 <220> FEATURE:
      152 <223> OTHER INFORMATION: Description of the artificial sequence:
      153     oligonucleotide
      155 <400> SEQUENCE: 11
      156 ttctctgtcg ggtggcggg atttgaaccc acgacctctt cgtcccgaa       49
      159 <210> SEQ ID NO: 12
      160 <211> LENGTH: 119
      161 <212> TYPE: DNA
      162 <213> ORGANISM: Artificial sequence

W--> 163 <220> FEATURE:
      164 <223> OTHER INFORMATION: Description of the artificial sequence:
      165     oligonucleotide
      167 <400> SEQUENCE: 12
      168 ttcttttttt tcttgaagcc tgctttttta tactaagttg gcattataaa aaagcattgc 60
      169 ttatcaattt gttgcaacga acaggtcact atcagtcaaa ataaaatcat tatttgatt 119
      172 <210> SEQ ID NO: 13
      173 <211> LENGTH: 43
      174 <212> TYPE: DNA
      175 <213> ORGANISM: Artificial sequence

W--> 176 <220> FEATURE:
      177 <223> OTHER INFORMATION: Description of the artificial sequence:
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      180 <400> SEQUENCE: 13
      181 ttcttttttt tcttgaagcc tgctttttta tactaacttg agc           43
      184 <210> SEQ ID NO: 14
      185 <211> LENGTH: 27
      186 <212> TYPE: DNA
      187 <213> ORGANISM: Artificial sequence

W--> 188 <220> FEATURE:
      189 <223> OTHER INFORMATION: Description of the artificial sequence:
      190     oligonucleotide
      192 <400> SEQUENCE: 14
      193 cgtcgaaata ttataaatta tcagaca                               27
      196 <210> SEQ ID NO: 15
      197 <211> LENGTH: 25
      198 <212> TYPE: DNA
      199 <213> ORGANISM: Artificial sequence

W--> 200 <220> FEATURE:
      201 <223> OTHER INFORMATION: Description of the artificial sequence:
      202     oligonucleotide

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204 <400> SEQUENCE: 15
205 gaggtttctt cttctttcttc ttctt                25
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209 <211> LENGTH: 20
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial sequence
W--> 212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of the artificial sequence:
214     oligonucleotide
216 <400> SEQUENCE: 16
217 ttctttctgc ttctttctt                20
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 20
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial sequence
W--> 224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of the artificial sequence:
226     oligonucleotide
228 <400> SEQUENCE: 17
229 ttctttctgt ttctttctt                20
232 <210> SEQ ID NO: 18
233 <211> LENGTH: 20
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of the artificial sequence:
239     oligonucleotide
241 <400> SEQUENCE: 18
242 ttctttcttc ttctttctt                20
245 <210> SEQ ID NO: 19
246 <211> LENGTH: 20
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial sequence
W--> 249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of the artificial sequence:
251     oligonucleotide
253 <400> SEQUENCE: 19
254 aagaagcatg cagagaagaa                20
257 <210> SEQ ID NO: 20
258 <211> LENGTH: 57
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial sequence
W--> 261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of the artificial sequence:
263     oligonucleotide
265 <400> SEQUENCE: 20
266 gatccgaaga agaagaagaa gaagaagaag aagaagaaga agaagaagaa gaagaac    57
269 <210> SEQ ID NO: 21
270 <211> LENGTH: 57

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PATENT APPLICATION: US/09/981,803

TIME: 15:18:02

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271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial sequence
W--> 273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of the artificial sequence:
275     oligonucleotide
277 <400> SEQUENCE: 21
278 gatcgttctt cttctttctt ttctttctt tctttcttt cttcttcttc ttcttcg      57
281 <210> SEQ ID NO: 22
282 <211> LENGTH: 66
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial sequence
W--> 285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of the artificial sequence:
287     oligonucleotide
289 <400> SEQUENCE: 22
290 gatctgaaga agaagaagaa gaagaagaag aagaagaaga agaagaagaa gaagaactgc 60
291 agatct                                     66
294 <210> SEQ ID NO: 23
295 <211> LENGTH: 66
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial sequence
W--> 298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of the artificial sequence:
300     oligonucleotide
302 <400> SEQUENCE: 23
303 gatcagatct gcagttcttc ttctttctt tctttcttt cttcttcttc ttcttcttct 60
304 tcttca                                     66
307 <210> SEQ ID NO: 24
308 <211> LENGTH: 56
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial sequence
W--> 311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of the artificial sequence:
313     oligonucleotide
315 <400> SEQUENCE: 24
316 gatcagatct gcagttcttt cttcttcttc ttctttctt tctttcttc ttctca      56
319 <210> SEQ ID NO: 25
320 <211> LENGTH: 21
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial sequence
W--> 323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of the artificial sequence:
325     oligonucleotide
327 <400> SEQUENCE: 25
328 cttcttcttc ttcttcttct t                                     21
331 <210> SEQ ID NO: 26
332 <211> LENGTH: 56
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial sequence

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/981,803

DATE: 11/02/2001

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Input Set : A:\es.txt

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L:14 M:270 C: Current Application Number differs, Replaced Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:24 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:38 M:283 W: Missing Blank Line separator, <220> field identifier  
L:76 M:283 W: Missing Blank Line separator, <220> field identifier  
L:127 M:283 W: Missing Blank Line separator, <220> field identifier  
L:139 M:283 W: Missing Blank Line separator, <220> field identifier  
L:151 M:283 W: Missing Blank Line separator, <220> field identifier  
L:163 M:283 W: Missing Blank Line separator, <220> field identifier  
L:176 M:283 W: Missing Blank Line separator, <220> field identifier  
L:188 M:283 W: Missing Blank Line separator, <220> field identifier  
L:200 M:283 W: Missing Blank Line separator, <220> field identifier  
L:212 M:283 W: Missing Blank Line separator, <220> field identifier  
L:224 M:283 W: Missing Blank Line separator, <220> field identifier  
L:249 M:283 W: Missing Blank Line separator, <220> field identifier  
L:261 M:283 W: Missing Blank Line separator, <220> field identifier  
L:273 M:283 W: Missing Blank Line separator, <220> field identifier  
L:285 M:283 W: Missing Blank Line separator, <220> field identifier  
L:298 M:283 W: Missing Blank Line separator, <220> field identifier  
L:311 M:283 W: Missing Blank Line separator, <220> field identifier  
L:323 M:283 W: Missing Blank Line separator, <220> field identifier  
L:335 M:283 W: Missing Blank Line separator, <220> field identifier  
L:347 M:283 W: Missing Blank Line separator, <220> field identifier  
L:359 M:283 W: Missing Blank Line separator, <220> field identifier  
L:371 M:283 W: Missing Blank Line separator, <220> field identifier  
L:383 M:283 W: Missing Blank Line separator, <220> field identifier  
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L:517 M:283 W: Missing Blank Line separator, <220> field identifier  
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L:553 M:283 W: Missing Blank Line separator, <220> field identifier  
L:565 M:283 W: Missing Blank Line separator, <220> field identifier  
L:577 M:283 W: Missing Blank Line separator, <220> field identifier  
L:589 M:283 W: Missing Blank Line separator, <220> field identifier  
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L:613 M:283 W: Missing Blank Line separator, <220> field identifier  
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